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PTO/SB/08A (08-00)

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/044,708
				Filing Date	October 22, 2001
				First Named Inventor	Yongchang Qiu et al
				Group Art Unit	1743
				Examiner Name	Wallenhorst
Sheet	1	of	2	Attorney Docket Number	GII5412-1AUSA

U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
mw	AA	4,977,320	B1	S. Chowdhury	12/11/1990	
mw	AB	5,245,186	B1	B. Chait	09/14/1993	
mw	AC	5,288,644	B1	R. Beavis	02/22/1994	
mw	AD	5,453,247	B1	R. Beavis	09/26/1995	
mw	AE	5,643,798	B1	R. Beavis	07/01/1997	
mw	AF	5,792,664	B1	B. Chait	08/11/1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office ³	Number ³	Kind Code ³ (if known)				
mw	AL	WO	WO93/24834	A1	B. Chait	12/09/1993		
mw	AM	WO	WO91/04781	A1	R. Beavis	04/18/1991		
mw	AN	WO	WO00/11208	A1	R. Aebersold	03/02/2000		

Examiner Signature	Maurice Wallenhorst	Date Considered	9-22-04
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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				Examiner Name	Wallenhurst
Sheet	2	of	2	Attorney Docket Number	GII5412-1AUSA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiners Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
mw	AR	E. KRAUSE et al, "The Dominance of Arginine-Containing Peptides in MALDI-Derived Tryptic Mass Fingerprints of Proteins", Analytical Chemistry, 71(19)4160-4165 (October, 1999)	
mw	AS	M. MANN, "Quantitative Proteomics?", Nature Biotechnology, 17:954-955 (October, 1999)	
mw	AT	S. SECHI et al, "Modification of Cysteine Residues by Alkylation. A Tool in Peptide Mapping and Protein Identification", Analytical Chemistry, 70(24):5150-5158 (December, 1998)	
mw	AU	S. GYGI et al, "Quantitative Analysis of Complex Protein Mixtures Using Isotope-Coded Affinity Tags", Nature Biotechnology, 17:994-999 (October, 1999)	
mw	AV	D. FENYO et al, "Protein Identification Using Mass Spectrometric Information", Electrophoresis, 19:998-1005 (1998) no month	

Examiner Signature	Mareen Wallenhurst	Date Considered	9-22-04
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				Group Art Unit	1743
				Examiner Name	Wallenhorst
Sheet	1	of	1	Attorney Docket Number	GII5412-1AUSA

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mw	AW	Y. QIU et al, "Acid-Labile Isotope-Coded Extractant (ALICE) and its Use in Quantitative Mass Spectrometric Analysis of Protein Mixtures", U. S. Patent Application No. 10/045,170, filed October 22, 2001						

Examiner Signature	Maurice Wallenhorst	Date Considered	9-22-04
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Form PTO 1449

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APPLICANT

YONGCHANG QIU, ET AL.

LIST OF REFERENCES CITED BY APPLICANT
(Use Several Sheets if Necessary)

FILING DATE

OCTOBER 22, 2001

GROUP ART UNIT

1743

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
mw	AD	WO 02/48717	6-20-2002	WIPO	
	AE				
	AF				
	AG				
	AH				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

mw	AI	Mckendrick, et al., "Rapid Mass Spectrometric Determination of Preferred Irreversible Proteinase Inhibitors in Combinatorial Libraries", International Journal of Mass Spectrometry, 176(1-2):113-124 (1998). no month
	AJ	Sechi et al., "Modification of Cysteine Residue By Alkylation - A Tool in Peptide Mapping and Protein Identification", Analytical Chemistry, American Chemical Society, 70(24):5150-5158 (1998). Previously cited.
	AK	Gygi et al., "Quantitative Analysis of Complex Protein Mixtures Using Isotope-Coded Affinity Tags", Nature Biotechnology, 17(10):994-999 (1999). Previously cited.
mw	AL	Krause et al., "The Dominance of Arginine-Containing Peptides in MALDI-Derived Tryptic Mass Fingerprints of Proteins", Analytical Chemistry, 71(19):4160-4165 (1999). Previously cited.
mw	AM	Brancia, et al., "Improved Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Analysis of Tryptic Hydrolysates of Proteins Following Guanidination of Lysine-Containing Peptides", Rapid Communications in Mass Spectrometry, 14(21):2070-2073 (2000). no month
mw	AN	Kratzer, et al., "Suppression Effects i Enzymatic Peptide Ladder Sequencing Using Ultraviolet - Matrix Assisted Laser Desorption/Ionization - Mass Spectrometry", Electrophoresis, 19(11):1910-1919 (1998).

EXAMINER Maureen WallenhorstDATE CONSIDERED 9-22-04

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